



Lucile Packard Children's Hospital Stanford

Challenge

Legionella was found in the hospital's potable water soon after it was built in 1991. A thorough investigation revealed the municipality to be the source. Facility staff deployed several unsuccessful water treatment methods over a six-month period, including:

- » Whole-system water flush
- » Hyperchlorination
- » Superheat and flush
- » Continuous chlorination and a weekly superheat and flush

Solution

After a long unsuccessful effort to eliminate Legionella through conventional disinfection methods and two patient deaths linked to the contaminated water, the hospital partnered with LiquiTech to develop a solution that included:

- » Immediate installation of a LiquiTech® Copper-Silver Ionization System
- » Several days of onsite system flushing, monitoring, and water testing until negative Legionella levels were achieved

Results

Hospital staff continues to partner with LiquiTech for ongoing service, including maintenance, monitoring, and testing.

The hospital has not detected Legionella in its water supply since their LiquiTech partnership began in 1991.

Highlights

Challenge

Conventional disinfection methods failed to kill Legionella, resulting in two patient deaths

Solution

LiquiTech mobilized immediately to begin remediation efforts, installing a LiquiTech® Copper-Silver Ionization System

Results

30+ years without Legionella detected

"I strongly advocate copper-silver technology for the effective and safe treatment against waterborne pathogens, specifically Legionella. We've been waterborne pathogen-free since partnering with LiquiTech more than 30 years ago."

- Michael Zader, Administration Director